0.00

0.00

JM13-3-27

110

QC

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Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

NCR: Y	NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE											
										QA Closed:	Date:	
Work Orde	er:				DISPOSITION	_			AGAINST DE	EPARTMENT,	-	
Part N					Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			⊸ i	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root			1	Descri	tion of work order update	l	Initial Action			Sign &		
Cause	Date	Step	Qty		or Non-conformance	1	ef Eng		cription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling							·					
Operator [•	
Material [1]									
Setup							•					
Other												-
Process							1					
Supplier							i					
Training											-	
Unapproved									 	<u> </u>		<u> </u>
						FAULT	CATE	GORY				
Landir 1	ng Gear			_	General	г.	<i>.</i>			٦, ,, ,	Γ	7a
	Bending			,, -	Bend		Grain		<u> </u>	Ovalized	_	Pressure/Forced
	Centre No	ot Concer	ntric to C)/5	BOM/Route	\vdash	Hardwa		 	Over/Under	 	Temperature/Cure Weld
}	Cracks	<i>.</i>		-	Broken/Damaged	 	-	ion Incomplete	(Unalasa	Part Incorre	⊢	Wrong Stock Pulled
ŀ	Crushed/Crimped.			Burrs	—	instruct Mainte	ions Incomplete	Onclear	Part Lost/M Part Moved			
ŀ	Cuffs			-	Contamination Countersink	-	Mislabe		<u></u>	Positioned \		
}	Heat Trea		Tubo	-	Cut Too Short		Misread		<u> </u>	Power Loss		Other
}	Inspection Ripples in	·	rube	-	Drill Holes		offset	ı	L_	Trower ross/	Juige L	Totales
}	Torque W		vtrucion	<u> </u>	Drawing	1	1	Calibration				
}	 - `			-	Finish	-		Sequence			.	
Turning Sequence				l	Limon	'	Out Of 3	sequence				

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ord January-28-13		·		*96:					2				
Item ID: Revision ID: Item Name:	D3023-1 Back Panel	·		Accept	*N900	<u>040</u>	100)*	Setup	Start Stop	*N:	S1* S2*	
Start Date: Required Date: Reference:	1/28/13 : 2/08/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item l Customer:	ID:							
Approvals:	Process Pl	an:		Tooling: SPC (Y/N):		ate:		1	Run	Start Stop		R1* R2*	
Sequence ID/ Work Center II 120 *120* QC Quality Control	D	Operation Description QC8- Inspect parts - second	ond check	Set Up/ Run Hours 0.00 5 pr 0.00 3.3	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	-
130 *130* Brake NC Brake NC		Form as per dwg Memo		0.00								(81 13 03
140 *140* QC Quality Control		QC5- Inspect part comp	leteness to step on W/O	0.00 33	2 7							·	-

NCR: Y	'es / No				WORK ORDER NON-	CON	FORM	MANCE / UPI	DATE	QA Closed:	Date:	
											<u> </u>	·
Work Orde	er:				DISPOSITION	1		•	AGAINST DE	PARTMENT	/PROCESS	
					Rework	7 I		Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo.			<u>.</u>	Scrap] [.	Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is] [noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	lo	<u> </u>			Work Order Update]		Large Fab	Composite		Supplier	
Root				Descri	ption of work order update	In	nitial	Act	tion	Sign &	· · · · · · · · · · · · · · · · · · ·	T
Cause	Date	Step	Qty		or Non-conformance	Chi	ef Eng	Desci	ription	Date	Verification	QC Inspector
Doc/Data			·.									
Equip/Tooling										·		
Operator	_										,	
Material		ļ										
Setup			Ì	·		Ì						
Other												
Process												
Supplier												
Training	_											
Unapproved		<u> </u>										
					· . ·	AULI	CATE	GORY				
Landir F	ng Gear			_	General		<u> </u>		<u> </u>	1		, 7
-	Bending	_			Bend	-	Grain		<u> </u>	Ovalized		Pressure/Forced
-	Centre No	ot Concer	ntric to	^{O/S}	BOM/Route	\vdash	Hardwa			Over/Under	<u> </u>	Temperature/Cure
	Cracks	a : 1			Broken/Damaged	\vdash		on Incomplete		Part Incorred		Weld
}	Crushed/	Crimped.			Burrs	\vdash		ions Incomplete/I	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
}	Cuffs	_		-	Contamination	-		enance		Part Moved		•
·	Heat Trea		- 1	-	Countersink	\vdash	Mislabe		—	Positioned V		Othor
}	Inspection	•	rube	-	Cut Too Short		Misread	1		Power Loss/	ourge	Other
}	Ripples in			<u> </u>	Drill Holes	\vdash	Offset	- 11			- ··· ·· ·-· ·· ·	· · ·
}	Torque W			¹	Drawing	\vdash	,	Calibration				
1	Turning S	equence		1	Finish	1 10	Dut of 9	Sequence				

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

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0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

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Quality Control

NB-04-3

Page 3

NCR: Y	NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE											
	•									QA Closed:	Date	·
Work Orde	r:				DISPOSITION				AGAINST D	EPARTMENT	·	
Part N				·	Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing			Finishing		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update		nitial	Ac	tion	Sign &		
Cause	Date	Step	Qty	. (or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling	_											
Operator	_					1	•					
Material	_							-			·	
Setup							,					
Other		ŀ										
Process								ł				•
Supplier												
Training	_										,	
Unapproved			1 1			50111	T CATE	CORY		<u> </u>		
1	6	<u> </u>			General	FAUL	.I CATE	GURY				
Landir	ng Gear Bending				Bend		Grain		· [Ovalized	Г	Pressure/Forced
	⊣ `	Not Conce	ntric to C	\s -	BOM/Route		Hardwa	aro	<u> </u>	Over/Under	r tolerance	Temperature/Cure
		· ·	intric to C	″³ -	Broken/Damaged		4	ion Incomplete	-	Part Incorre	-	Weld
•	Cracks				Burrs	\vdash	1	tions Incomplete/	Unclear	Part Lost/M	<u> </u>	Wrong Stock Pulled
•	Crushed/Crimped. Cuffs			-	Contamination	\vdash	Mainte	•	-	Part Moved		
ł	Heat Treat			-	Countersink	-	Mislabe			Positioned		
1	Inspection Strip in Tube				Cut Too Short		Misrea			Power Loss,		Other
	Ripples				Drill Holes		Offset		L.		~ L	1
ļ			Extrusion		Drawing		4	Calibration				
ŀ	Torque Waves in Extrusion Turning Sequence				Finish		Out of	Sequence				

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

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Page 1

Work Order ID:

96399

Parent Item:

D3023-1

Parent Item Name:

Back Panel

Start Date: 1/28/13

Required Date: 2/08/13

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP C02.01.23Revised

IPP Rev:D 08-04-16 now water jet DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.032 2024-T3 .032 sheet		Purchased	No			100	sf	370.1522	2.8777	3.0 2915 79 3.1		-	JM13-3-
				Location		Loc Oty	<u>Lo</u>	c Code					
				MAT022		370.1522							
				1182	43	32.4962							
				1185	23	141							
				1213	09	68.656				4-1-4			
				1230	96	27.6							
				1235	74	100.4							
	-			i) iii	987				124	987			

124987

											DQA:	Date	:
NCR:	es /	No No				WORK ORDER NON-C	O	VFORN	MANCE / UPD	ATE	04.614	Data	
											QA Closed:	Date	· · · · · · · · · · · · · · · · · · ·
Work Orde	or.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Work Orac	-''					Rework	1		Skid-tube	Crosstube]	Water Jet	Engineering
Part N	No.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
						Use-as-is	1	Therm	noforming	Finishing	Rec/Stor	re/Packaging	Other
NCR I	No					Work Order Update Large Fab Composite				Composite]	Supplier	
Root					Descri	ption of work order update	1	nitial	Actio	on	Sign &		
Cause		Date	Step	Qty	, c	or Non-conformance	Ch	ief Eng	Descrip	otion	Date	Verification	QC Inspector
Doc/Data	\Box							1					
Equip/Tooling													
Operator							İ						
Material													
Setup													
Other													
Process													
Supplier												ł	
Training	Ш												
Unapproved											<u> </u>		
							AUL	T CATE	GORY				
Landi						General	_	10			Ovalized	Г	Pressure/Forced
	\vdash	ending				Bend	-	Grain		<u> </u>	-	t-1	Temperature/Cure
			t Concer	itric to (^{3/S}	BOM/Route	\vdash	Hardwa		<u> </u>	Over/Under	<u> </u>	Weld
	H-I	racks	-· .		-	Broken/Damaged	\vdash	4	on Incomplete		Part Incorre	├	Wrong Stock Pulled
Crushed/Crimped			Burrs		Mainte	ions Incomplete/Ur	licieal	Part Lost/M Part Moved	issitik [
Cuffs			Countarial	\vdash	Mislabe		-	Positioned V	Mrong				
	$oldsymbol{oldsymbol{ o}}$	eat Trea		Tubo	-	Countersink	-	Misread		-	Power Loss/		Other
	Inspection Strip in Tube				-	Cut Too Short Drill Holes	-	Offset	ı	<u> </u>	Trower ross/	Juige [Totalei
	Ripples in Bend					וחוווו בסופי	L_	Jourset					

Out of Calibration

Out of Sequence

Outside Dimensions

Drawing

Finish

Folio

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

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DART AEROSPACE LTD	Work Order:	96399
Description: Back Panel	Part Number:	D3023-1
Inspection Dwg: D3023 Rev: A		Page 1 of 1

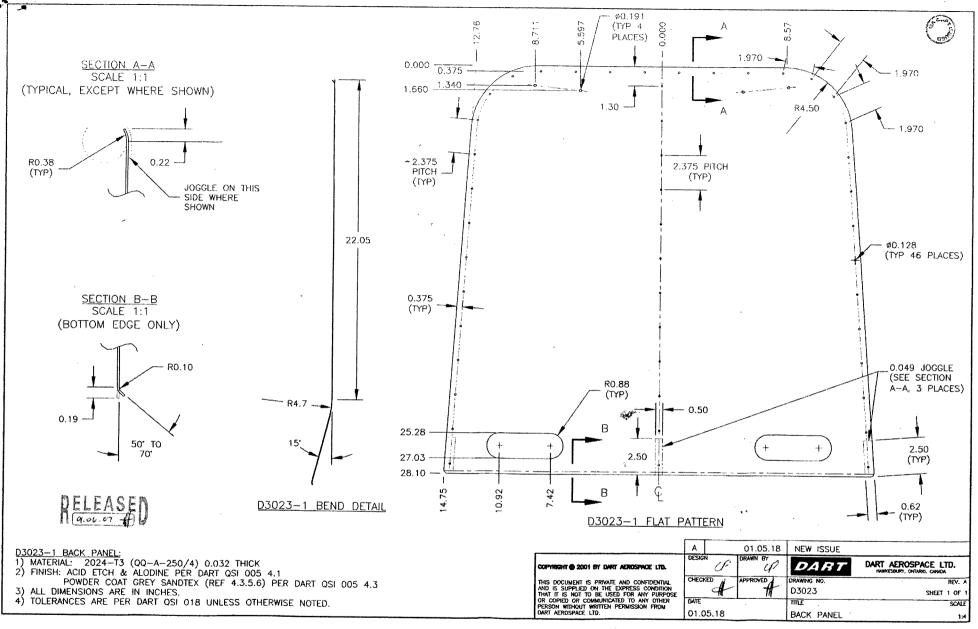
FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.128	+0.005/-0.001	0.130"	_		V	Ikmoi
Ø0.191	+0.005/-0.001	0,1919	-		V	SKA OT
1.660	+/-0.010	1.6661m	-		ν	
0.375	+/-0.010	0,3784	-		ν	
1.340	+/-0.010	1.340"	-	-	v	
2.375	+/-0.010	\$.377	_		ν	
0.375	+/-0.010	0.379"	-		V	
25.28	+/-0.030	25,28"	_		T	Jkm06
27.03	+/-0.030	27.05	-		7	
28.10	+/-0.030	28,100	_		T	
1.30	+/-0.030	1.302"	-		ν	
2.375	+/-0.010	2.376	_		V	
8.711	+/-0.010	8.711	-		V	Producer
5.597	+/-0.010	5.597"	_		V	P7280-302
8.57	+/-0.030	8.57"	_		ν	
1.970	+/-0.010	8.57"			V	
7.42	+/-0.030	7.42"	_		γ	
10.92	+/-0.030	10.92"	-		V	
14.75	+/-0.030	14.75"	_		V	

Measured by:	Jm	Audited by:	SMB	Prototype Approval:	N/A
Date:	13-3-27	Date:	158.77	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	08.11.27	New Issue	KJ/EC	
				



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